

We claim:

1. In a positive displacement pump driven by a magnetic coupling including a containment can enclosing in an interior thereof a driven magnet mounted on a pump drive shaft and a driving magnet exterior of the can, the driving magnet being magnetically coupled to the driven magnet, the pump also having a high pressure port, a
5 low pressure port and a positive displacement pumping mechanism in a pumping cavity between the ports, and having a pump flange between the driven magnet and the pumping cavity, the improvement wherein two port passageways extend through the pump flange between the interior of the containment can and the pumping cavity, at least one of said port passageways includes an orifice of an orifice size and the orifice size is adjustable.

2. The improvement of claim 1, wherein there is at least one said port passageway in communication with each of said high and low pressure ports.

3. The improvement of claim 1, wherein said orifice is replaceable with an orifice of a different orifice size so as to adjust the orifice size.

4. The improvement of claim 1, wherein said at least one port passageway including an orifice provides communication through said pump flange between said low pressure port and said interior of said containment can.

5. The improvement of claim 1, wherein at least two port passageways extend through said pump flange between the interior of the containment can and the pumping cavity, at least one said port passageway communicating with each of said high pressure and low pressure ports, and wherein each said port passageway includes an
5 orifice.

6. The improvement of claim 5, wherein each said orifice is removable.